

## AMENDMENTS TO THE CLAIMS

### Listing of Claims:

1. (Currently amended) An external programming device for an implant comprising:  
a receiving unit for receiving data from the implant, which represent time-variable signals which are intracardially recorded or generated in the implant, and

a display with an actuating unit adapted to represent signals forming the basis of the received data, and

a switching unit which is connected to the actuating unit of the display and adapted to switch the representation of continuous signals over time between a first representation mode and at least one second representation mode,

wherein representation of the time-continuous signals over time is effected in the first mode continuously in that current display values are always represented at the same horizontal display position and all preceding signal values are represented on the display, displaced horizontally towards the left or the right, and

wherein representation of the continuous signals over time is effected in the second mode continuously in that current signal values are respectively represented at a new display position of the display adjoining preceding signal values while preceding signal values maintain their respective display position and

wherein the programming device additionally comprises a base device and a hand device, the hand device being adapted to be capable of physically separating from the base device and including the display.

2. (Previously presented) A programming device as set forth in claim 1, wherein representation of the display values in the second mode is effected continuously from left to right in that signal values which have already been represented maintain their representation location and the representation is respectively extended with each arriving signal value, starting from a left-hand representation edge, until the representation of the signal values has reached a right-hand representation edge.

3. (Previously presented) A programming device as set forth in claim 2, wherein the representation is extinguished when the right-hand representation edge is reached and is begun afresh with a respectively current signal value at the left-hand representation edge.

4. (Previously presented) A programming device as set forth in claim 1, wherein the representation of the display values in the first mode is effected continuously in such a way that respective current signal values are represented at a right-hand representation edge and preceding signal values are simultaneously displaced towards the left by a display position but are not represented beyond a left-hand representation edge.

5. (Previously presented) A programming device as set forth in claim 1, wherein the switching unit is connected to a switching element in such a way that switching from the first to the second mode and vice-versa is effected by touching the switching element or by pressing on the switching element.

6. (Previously presented) A programming device as set forth in claim 5, wherein the switching element is a press switch arranged beside the display.

7. (Previously presented) A programming device as set forth in claim 5, wherein the switching element is formed by a defined region of the display and the display is touch-sensitive or pressure-sensitive at least in that region.